

A marked-up version of the originally-filed Abstract is shown below:

Methods for eliminating error in magnetic sensors used for measuring a coating thickness caused by static or changing external magnetic fields or temperature. The methods involve measuring an output voltage of a magnetic sensor, corresponding to an internal resistance of the magnetic sensor, in a static or changing magnetic field or external temperature, storing the value of the output voltage, performing mathematical operations ~~on~~ with the stored value of the output voltage, and correcting the output voltage of the magnetic sensor to accurately indicate a coating thickness.